

AMENDMENTS TO THE SPECIFICATION

In the Specification, please amend the paragraph beginning at page 6, line 24 and ending at page 7, line 9 as follows:

Once matches have been established by the matching algorithm in the differencing engine 7, a compare algorithm compares each matched item for properties. The set of properties may be programmatically defined or chosen by a user. In one embodiment of the present invention, properties are broken down into two groups, graphical properties and functional properties. Graphical properties affect the appearance of the diagram, functional properties affect the performance of the depicted system. For example, a graphical difference occurs when two blocks, a block A and a block B, appear in both diagrams, but the first diagram locates the blocks in a different position in the diagram. A functional difference occurs when the two blocks produce different results in each diagram. Blocks may be considered to be different by the differencing engine 7 if any property is different. Connections may be semantic connections or direct connections. Semantic connections include GOTO and From blocks. Connections may be considered to be different when both the blocks and ports, source and destination, exist in both models but they are connected to a different block or port than that in the other model. Once the differences have been determined, the diagrams may be displayed to the user 10. In one embodiment of the present invention, diagram elements are listed side by side in a tree format, with the differences highlighted on the display device 8.